

Claims

- [c1] A method of searching-by-number, comprising:
receiving at least one digit or a sequence of digits and wildcards; and
searching any numbers stored in a device to form a match list including any
stored numbers matching the at least one digit or the sequence of digits and
wildcards.
- [c2] The method of claim 1, further comprising displaying the match list.
- [c3] The method of claim 1, further comprising ending the search in response to one
of:
no stored numbers matching the at least one digit or the sequence of digits or
wildcards;
a displayed number being selected;a predetermined time period elapsing
without an action by a user;
a predetermined number of digits or digits and wildcards being entered; and
a user aborting the search.
- [c4] The method of claim 1, further comprising performing an intelligent pre-match
before displaying any stored numbers matching the at least one digit or the
sequence of digits and wildcards.
- [c5] The method of claim 1, further comprising displaying the match list in a
predetermined order.
- [c6] The method of claim 1, further comprising displaying the match list in an order
corresponding to a position of the at least one digit or sequence of digits and
wild cards in any stored numbers.
- [c7] The method of claim 1, further comprising displaying the match list in the order
that the at least one digit or sequence of digits and wild cards are positioned
from left to right in any stored numbers.
- [c8] The method of claim 1, further comprising displaying only one stored number
of a group of stored numbers in the match list that are variations of a same
phone number.

- [c9] The method of claim 1, wherein the searching is accomplished at least in part by searching a call list, a missed call list and a phonebook.
- [c10] The method of claim 1, wherein the call list, the missed call list and the phonebook are searched in a predetermined order.
- [c11] The method of claim 1, further comprising entering the at least one digit or sequence of digits and wild cards by voice recognition.
- [c12] The method of claim 1, further comprising selecting a search-by-number feature from a menu by voice activation.
- [c13] A method of searching-by-number, comprising:
receiving a first entry;
searching any stored numbers to form a match list including any of the stored numbers with the digit in a first position and higher order positions in a sequence of digits forming each stored number, if the first entry is a digit;
receiving at least one other entry, if the first entry is the wildcard; and
searching any stored numbers to form the match list including any of the stored numbers with a digit of the at least one other entry in a second position and in higher order positions in the sequence of digits forming each stored number except any position corresponding to a wildcard entry, if the at least one other entry is a digit or at least one wildcard and a digit.
- [c14] The method of claim 13, further comprising displaying the match list.
- [c15] The method of claim 13, further comprising:
receiving an additional entry;
repeating receiving an additional entry until a digit is received; and
searching the match list for numbers matching a sequence of entered digits and wildcards.
- [c16] The method of claim 15, further comprising displaying a new match list including any numbers matching the sequence of entered digits and wildcards from a previous match list.
- [c17] The method of claim 15, further comprising receiving additional entries until a

predetermined number of digits and wildcards are entered.

- [c18] The method of claim 15, further comprising ending the method in response to the occurrence of one of:
- receiving a predetermined signal;
 - failing to match any numbers in the match list; and
 - receiving a predetermined number of digits and wildcards.
- [c19] The method of claim 18, wherein receiving the predetermined signal comprises one of:
- selecting a number from the match list; and
 - receiving a clear or end signal.
- [c20] A device including a search-by-number feature, comprising:
- an user interface to receive at least one digit or a sequence of digits and wildcards;
 - at least one data storage device to store a plurality of numbers; and
 - a processor to search any stored numbers in response to receiving the at least one digit or the sequence of digits and wildcards and to form a match list in response to any stored numbers matching the at least one digit or sequence of digits and wildcards.
- [c21] The device of claim 20, further comprising a display to display the match list.
- [c22] The device of claim 20, further comprising an intelligent pre-match feature to display only one stored number of a group of stored numbers in the match list that are variations of a same number.
- [c23] The device of claim 20, further comprising a feature to end the search by the processor in response to one of:
- no stored numbers matching the at least one digit or the sequence of digits or wildcards;
 - a displayed number being selected;
 - a predetermined time period elapsing after displaying any stored numbers matching the at least one digit or the sequence of digits and wildcards without an input from a user;

a predetermined number of digits or digits and wildcards being entered; and
a user aborting the search.

- [c24] The device of claim 20, wherein the at least one data storage device comprises at least one of a call list, a missed call list and a phonebook.
- [c25] A computer-readable medium having computer-executable instructions for performing a method, comprising:
receiving at least one digit or a sequence of digits and wildcards; and
searching any numbers stored in a device to form a match list including any stored numbers matching the at least one digit or the sequence of digits and wildcards.
- [c26] The computer-readable medium having computer-executable instructions for performing the method of claim 25, further comprising displaying the match list.
- [c27] The computer-readable medium having computer-executable instructions for performing the method of claim 26, further comprising performing an intelligent pre-match before displaying any stored numbers matching the at least one digit or the sequence of digits and wildcards.